Medix Biochemica

Product specification
ANTIBODY
2023-12-07

Anti-h Copeptin 4802 SPTN-5

Product overview

Catalog number	100639
Specificity	Antibody recognizes human copeptin
Description	Monoclonal mouse antibody, cultured *in vitro* under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN_3 as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	IgG_1
Analyte description	Copeptin is a 39-amino acid glycopeptide, cleaved from the C-terminus of pre-provasopressin (pre-proAVP). It has been suggested as a biomarker in diagnosis and prognosis of several diseases, such as acute myocardial infarction, heart failure, hyponatremia, and sepsis.

Parameters tested on each lot

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	6.4–6.8
Purity	≥ 95 %

Kinetic parameters

Association rate constant	2.6 x 10^5 1/Ms
Dissociation rate constant	Not applicable (N/A)
Affinity constant	N/A
Determination method	BLI (Octet RED96e)
Determination antigen	Synthetic Copeptin peptide aa132-148 (GenScript)

Oy Medix Biochemica Ab
Klovinpellontie 3,
FI-02180 Espoo, Finland

medix@medixbiochemica.com
www.medixbiochemica.com
VAT reg. no. FI14631532

Cross-reactivities

N/D

Epitope

Epitope is located within the sequence ATQLDGPAGALLLRLVQ in the N-terminal part of copeptin.

Pair recommendations

		DETECTION			
		4801	4802	4804	4806
CAPTURE	4801	-	-	+	+
	4802	-	-	+	+
	4804	+	+	-	-
	4806	+	+	-	-

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

Platforms tested

FIA

Antigens tested

N/D

Product stability

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	OK
+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

Miscellaneous

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References

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